

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

INTERNATIONAL APPLICATION NO.
PCT/US99/09346INTERNATIONAL FILING DATE
April 30, 1999

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

Unknown
09/674546PRIORITY DATE CLAIMED
May 1, 1998

TITLE OF INVENTION
NEISSERIA MENINGITIDIS ANTIGENS AND COMPOSITIONS

APPLICANT(S) FOR DO/EO/US

Guido GRANDI, Erin HICKEY, Vega MASIGNANI, Marirosa MORA, Jeremy PETERSEN, Marigrazia PIZZA, Rino RAPPUOLI, Giulio RATTI, Vincenzo SCARLATO, Maria SCARSELLI, Herve TETTELIN, Craig VENTER

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - a. is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. has been transmitted by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. A copy of the International Search Report (PCT/ISA/210).
8. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. have been transmitted by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
9. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
10. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 13 to 20 below concern document(s) or information included:

13. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. A **FIRST** preliminary amendment.
16. A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. A substitute specification.
18. A change of power of attorney and/or address letter.
19. Certificate of Mailing by Express Mail
20. Other items or information:

Copy of Published Specification
Written Opinion and Response filed
Amended Claims as of September 4, 2000

21. The following fees are submitted:

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):

<input checked="" type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO	\$970.00
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	\$840.00
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO	\$690.00
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)	\$670.00
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)	\$96.00

CALCULATIONS PTO USE ONLY

\$1,810.00

Surcharge of \$130.00 for furnishing the oath or declaration later than 20 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).

\$130.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	18 - 20 =	0	x \$18.00	\$0.00
Independent claims	4 - 3 =	1	x \$78.00	\$78.00
Multiple Dependent Claims (check if applicable).			<input type="checkbox"/>	\$0.00
TOTAL OF ABOVE CALCULATIONS		=		\$2,018.00

Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).

\$0.00

SUBTOTAL = **\$2,018.00**Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).

\$0.00

TOTAL NATIONAL FEE = **\$2,018.00**

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).

\$0.00

TOTAL FEES ENCLOSED = **\$2,018.00**

Amount to be:	\$
refunded	
charged	\$

A check in the amount of **\$2,018.00** to cover the above fees is enclosed.

Please charge my Deposit Account No. in the amount of to cover the above fees.
A duplicate copy of this sheet is enclosed.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. **03-1664** A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Alisa A. Harbin
CHIRON CORPORATION
 Intellectual Property - R338
 PO Box 8097
 Emeryville, California 94662-8097
 US



SIGNATURE

Charlene A. Launer

NAME

33,035

REGISTRATION NUMBER



DATE

PATENT
PP00365.301

09/674546
526 Rec'd PCT/PTO 01 NOV 2000

PATENT COOPERATION TREATY
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

International Application No.	International Filing Date	Priority Date Claimed
PCT/US99/09346	30 April 1999	1 May 1998

Title of Invention
NEISSERIA MENINGITIDIS ANTIGENS AND COMPOSITIONS

Applicants for DO/EO/US:

Claire FRASER, Cesira GALEOTTI, Guido GRANDI, Erin HICKEY, Vega MASIGNANI, Marirosa MORA, Jeremy PETERSEN, Marigrazia PIZZA, Rino RAPPOLI, Giulio RATTI, Vincenzo SCARLATO, Maria SCARSELLI, Herve TETTELIN, Craig VENTER

CERTIFICATE OF MAILING BY EXPRESS MAIL

Box PCT
Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

Express Mail Mailing Label No.: EL353112894US

Date of Deposit: 1 November 2000

I hereby certify that the attached Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C.371, copy of published specification, Check No. 7421 the amount \$2,018.00 and Postal Receipt Card are being deposited with the United Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R.1.10 on the date indicated above and addressed to the Assistant Commissioner of Patents, Box PCT, Washington, D.C. 20231.

Date: 1 November 2000

Melodi K. Dice
Melodi K. Dice

CHIRON CORPORATION
4560 Horton Street
Emeryville, California 94608
United States of America